

ABSTRACT

The present invention relates to a gene, derived from cotton plants, which encodes (+)- γ -cadinene 8-hydroxylase. The present invention further relates to a vector which expresses such a gene, and to polypeptides expressed by said gene.

2020-05-28

SEQUENCE LISTING - SEQ. ID. NO. 1

LOCUS nkit377950 1933 bp DNA

DEFINITION Cotton sesquiterpene P450 monooxygenase (CYP706B1) mRNA,
complete cds.

SOURCE *Gossypium arboreum*.

ORGANISM *Gossypium arboreum*

Eukaryota; Viridiplantae; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Rosidae; eurosids II;

Malvales; Malvaceae; *Gossypium*.

BASE COUNT 594 a 363 c 439 g 537 t

ORIGIN

1 ccacttcgca gcaatattat tgcagttcct gggtggctac ctctgagttt tcaacttaa

61 atttcttggt ttctctcaag aaggaagaag atgttgcaaa tagctttcag ctctgtattca

121 tggctgttga ctgctagcaa ccagaaagat ggaatgttgt tccagtagc ttgtcattt

181 ttggtagcca tattgggaat ttactgttg cacgtatgga ccataaggaa gccaaagaaa

241 gacatcgccc cattaccgcc ggggtccccgt gggttgccaa tagtgggata tcttccatat

301 ctggaactg ataacttca ctggtgttt acagatttg ctgcagctta cgggtccatc

361 tacaagcttt ggctaggaaa caaattatgc gtagtcatta gctcggcacc actggcgaaa

1501 agaattgttg ccggagtatc tctcggtgaa aagatgttgt attcctcctt ggcagcaatg

1561 atccatgcctt atgattggaa ctggcccgac ggtgaagaaa atgacttgat tggcttattt

1621 ggaattatta tgaagaaaaa gaagccttta attctgttc ctacaccaag accatcaaat

1681 ctccagcact atatgaagta acittactat tgtatttctt ttataccact ttattgcctc

1741 ttgtcatgt ttaggcaaca attctaagta ataagtttg ctatatggtg aacaataatg

1801 tgtttattat acatcataag caatgagctc ttcccgaccc tagggcaata caatgatact

1861 gtgtattaag tgaaatcaac aaatcttta ttctaaaaaa aaaaaaaaaa aaaaaaaaaa

1921 aaaaaaaaaa aaa

10057534.000000